Remarks

This amendment corrects a formal matter without changing the scope of the claims. In accordance with 37 C.F.R. §§ 1.825(a) and 1.825(b), the copy in computer readable form is the same as the substitute copy of the Sequence Listing and the substitute sheets include no new matter.

Applicants respectfully request that this Amendment be entered.

Support for the amendments to the Sequence Listing may be found in the specification and sequence listing as filed. The Sequence Listing has been amended as follows:

SEQ ID NO	Correction	Support
SEQ ID NO: 11	codon/aa No. 1 should be	Support for the amendment can
	codon/aa No20	be found in SEQ ID NO: 9 and
		10.
SEQ ID NO: 12	codon/aa No. 1 should be	Support for the amendment can
	codon/aa No20	be found in SEQ ID NO: 9 and
		10
SEQ ID NO: 15	codon/aa No. 1 should be	Support for the amendment can
	codon/aa No7	be found in SEQ ID NO: 13 and
		14.
SEQ ID NO: 16	codon/aa No. 1 should be	Support for the amendment can
	codon/aa No7	be found in SEQ ID NO: 13 and
		14.
SEQ ID NO: 19	The last Gly and the following 2	Support for the amendment can
	basic amino acid are not present	be found in SEQ ID NO: 17; and
	in the mature peptide and have	at paragraph [0033] of the
	been deleted from the sequence.	published application.
SEQ ID NO: 20	The last Gly and the following 2	Support for the amendment can
	basic amino acid are not present	be found in SEQ ID NO: 17; and
	in the mature peptide and have	at paragraph [0033] of the
	been deleted from the sequence.	published application.
SEQ ID NO: 93	The mature peptide should start	Support for the amendment can
	at 62-() and not at 68-().	be found at paragraph [0083] of
		the published application;
		support for the starting position
		of the mature toxin can be found
		in table 1, column D; in addition
		the start can be ascertained by

SEQ ID NO	Correction	Support
V		aligning the Cys residues of the
		protein.
SEQ ID NO: 94	codon/aa No2 should be	Support for the amendment
	codon/aa No. 1	regarding the numbering of the
		first amino acid of the mature
		toxin can be found in table 1,
		column E. Specifically, the
		mature toxin beings with either a
		Lys or Arg, in addition the start
		can be determined by aligning
		the Cys residues of the toxin.
SEQ ID NO: 95	This sequence encodes the	Support for the amendment can
	mature peptide and the codons	be found in SEQ ID NO: 93 and
	(aag gaa) encoding the first two	94, and in table 1.
	amino acids Lys Glu have been	,
	added.	
SEQ ID NO: 96	This is the mature peptide and	Support for the amendment can
	the amino acids Lys Glu have	be found in SEQ ID NO: 93 and
	been added.	94; and in table 1.
SEQ ID NO: 97	The mature peptide should start	Support for the amendment can
	at 62-() and not at 68-().	be found at paragraph [0083] of
		the published application;
		support for the starting position
		of the mature toxin can be found
		in table 1, column D; in addition
		the start can be ascertained by
		aligning the Cys residues of the
		protein.
SEQ ID NO: 98	codon/aa No2 should be	Support for the amendment
	codon/aa No. 1	regarding the numbering of the
		first amino acid of the mature
		toxin can be found in table 1,
		column E. Specifically, the
		mature toxin beings with either a
		Lys or Arg, in addition the start
		can be determined by aligning
SEQ ID NO: 99	This sequence encodes the	the Cys residues of the toxin.
SEQ ID NO. 39	This sequence encodes the	Support for the amendment can
	mature peptide and the codons	be found in SEQ ID NO: 97 and
1	(aaa gaa) encoding the first two amino acids Lys Glu have been	98; and in table 1.
	added.	
SEQ ID NO: 100	This is the mature peptide and	Support for the amendment can
522 ID 110. 100	the first two amino acids Lys	be found in SEQ ID NO: 97 and
	Glu have been added.	98; and in table 1.
L		, so, and in table 1.

SEQ ID NO	Correction	Support
SEQ ID NO: 101	The mature peptide should start	Support for the starting position
	at 62-() and not at 65-().	of the mature toxin can be found
		in table 1, column D; in addition
		the start can be ascertained by
		aligning the Cys residues of the
		protein.
SEQ ID NO: 102	codon/aa No1 should be	Support for the amendment
	codon/aa No. 1	regarding the numbering of the
		first amino acid of the mature
		toxin can be found in table 1,
		column E. Specifically, the
		mature toxin beings with either a
		Lys or Arg, in addition the start
		can be determined by aligning
		the Cys residues of the toxin.
SEQ ID NO: 103	This sequence encodes the	Support for the amendment can
	mature peptide and the codons	be found in SEQ ID NO: 101
	(aag) encoding the first amino	and 102; and in table 1.
	acid Lys have been added.	·
SEQ ID NO: 104	This is the mature peptide and	Support for the amendment can
	the first amino acid Lys has been	be found in SEQ ID NO: 101
	added.	and 102; and in table 1.
SEQ ID NO: 105	The mature peptide should start	Support for the starting position
	at 62-() and not at 65-().	of the mature toxin can be found
		in table 1, column D; in addition
		the start can be ascertained by
		aligning the Cys residues of the
		protein.
SEQ ID NO: 106	codon/aa No1 should be	Support for the amendment
	codon/aa No. 1	regarding the numbering of the
		first amino acid of the mature
		toxin can be found in table 1,
		column E. Specifically, the
		mature toxin beings with either a
		Lys or Arg, in addition the start
		can be determined by aligning
		the Cys residues of the toxin.
SEQ ID NO: 107	This sequence encodes the	Support for the amendment can
	mature peptide and the codons	be found in SEQ ID NO: 105
	(aag) encoding the first amino	and 106; and in table 1.
GEO ID NO 160	acid Lys have been added.	
SEQ ID NO: 108	This is the mature peptide and	Support for the amendment can
	the first amino acid Lys has been	be found in SEQ ID NO: 105
GEO ID NO. 100	added.	and 106; and in table 1.
SEQ ID NO: 109	The mature peptide should start	Support for the amendment can

SEQ ID NO	Correction	Support
	at 62-() and not at 59-().	be found at paragraph [0083] of the published application; support for the starting position of the mature toxin can be found in table 1, column D; in addition the start can be ascertained by aligning the Cys residues of the protein.
SEQ ID NO: 110	codon/aa No. 2 should be codon/aa No. 1	Support for the amendment regarding the numbering of the first amino acid of the mature toxin can be found in table 1, column E. Specifically, the mature toxin beings with either a Lys or Arg, in addition the start can be determined by aligning the Cys residues of the toxin.
SEQ ID NO: 111	This sequence encodes the mature peptide and the extra codon (gca) encoding has been deleted.	Support for the amendment can be found in SEQ ID NO: 109 and 110; and in table 1.
SEQ ID NO: 112	This is the mature peptide and the extra amino acid Ala has been deleted.	Support for the amendment can be found in SEQ ID NO: 109 and 110; and in table 1.
SEQ ID NO: 121	The mature peptide should start at 62-() and not at 71-().	Support for the amendment can be found at paragraph [0085] of the published application; support for the starting position of the mature toxin can be found in table 1, column D; in addition the start can be ascertained by aligning the Cys residues of the protein.
SEQ ID NO: 122	codon/aa No3 should be codon/aa No. 1	Support for the amendment regarding the numbering of the first amino acid of the mature toxin can be found in table 1, column E. Specifically, the mature toxin beings with either a Lys or Arg, in addition the start can be determined by aligning the Cys residues of the toxin.
SEQ ID NO: 123	This sequence encodes the mature peptide and the codons (aag gac ggt) encoding the first	Support for the amendment can be found in SEQ ID NO: 121 and 122; and in table 1.

SEQ ID NO	Correction	C
SEQ.ID.NO.	three amino acids Lys Asp Gly	Support
	have been added.	
SEQ ID NO: 124	This is the mature peptide and	Support for the amendment can
	the first three amino acids Lys	be found in SEQ ID NO: 121
	Asp Gly have been added.	and 122; and in table 1.
SEQ ID NO: 125	The mature peptide should start	Support for the amendment can
	at 62-() and not at 71-().	be found at paragraph [0085] of
		the published application;
:		support for the starting position
		of the mature toxin can be found
		in table 1, column D; in addition the start can be ascertained by
		aligning the Cys residues of the
		protein.
SEQ ID NO: 126	codon/aa No3 should be	Support for the amendment
	codon/aa No. 1	regarding the numbering of the
		first amino acid of the mature
		toxin can be found in table 1,
		column E. Specifically, the
		mature toxin beings with either a
		Lys or Arg, in addition the start can be determined by aligning
		the Cys residues of the toxin.
SEQ ID NO: 127	This sequence encodes the	Support for the amendment can
	mature peptide and the codons	be found in SEQ ID NO: 125
	(aag gac ggt) encoding the first	and 126; and in table 1.
	three amino acids Lys Asp Gly	
	have been added.	
SEQ ID NO: 128	This is the mature peptide and	Support for the amendment can
	the first three amino acids Lys	be found in SEQ ID NO: 125
SEQ ID NO: 133	Asp Gly have been added. The mature peptide should start	and 126; and in table 1. Support for the amendment at
3EQ ID 140. 133	at 62-() and not at 71-().	paragraph [0085] of the
	at 02 () and not at 71 ().	published application; support
		for the starting position of the
		mature toxin can be found in
		table 1, column D; in addition
		the start can be ascertained by
		aligning the Cys residues of the
CEO ID NO. 124	1/ Nr. 2 1 111	protein.
SEQ ID NO: 134	codon/aa No3 should be codon/aa No. 1	Support for the amendment
	COGOII/ aa INO. I	regarding the numbering of the first amino acid of the mature
		toxin can be found in table 1,
		column E. Specifically, the
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SEQ ID NO	Correction	Support
		mature toxin beings with either a
_		Lys or Arg, in addition the start
		can be determined by aligning
		the Cys residues of the toxin.
SEQ ID NO: 135	This sequence encodes the	Support for the amendment can
	mature peptide and the codons	be found in SEQ ID NO: 133
	(aag gac ggt) encoding the first	and 134; and in table 1.
	three amino acids Lys Asp Gly	
	have been added.	
SEQ ID NO: 136	This is the mature peptide and	Support for the amendment can
	the first three amino acids Lys	be found in SEQ ID NO: 133
	Asp Gly have been added.	and 134; and in table 1.

Entry of the above Amendment is respectfully requested.

Respectfully submitted,

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